

INTERNATIONAL SEARCH REPORT

International Application No

101/GB2004/002733

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16K21/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 607 658 A (FRASER GERALD M ET AL) 26 August 1986 (1986-08-26) abstract; figures 1,2 -----	1-28
X	GB 521 700 A (TOTTEREAU S A R L ETS) 29 May 1940 (1940-05-29) figures 1-3 -----	1-28
X	US 4 094 327 A (BRANDELLI ANTHONY R) 13 June 1978 (1978-06-13) abstract; figures 1-8 -----	1-28
X	US 961 577 A (C.O. BERGMARK) 14 June 1910 (1910-06-14) figure 1 -----	1-28 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

Date of mailing of the international search report

22 September 2004

05/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	US 4 977 923 A (CHO CHAN-DONG) 18 December 1990 (1990-12-18) abstract; figures 1-10 -----	1-28
X	US 4 945 944 A (CHEN SHU-YUAN) 7 August 1990 (1990-08-07) abstract; figures 1-7 -----	1-28
X	US 3 895 645 A (JOHNSON DWIGHT N) 22 July 1975 (1975-07-22) abstract; figures 1-6 -----	1-28
A	US 4 773 830 A (VETTER MATTHEW R) 27 September 1988 (1988-09-27) figure 3 -----	1-28
A	US 4 739 789 A (HAMILTON MALCOLM F) 26 April 1988 (1988-04-26) abstract; figures 1-3 -----	1,16,17
A	US 2002/124880 A1 (TANIKAWA AKIO) 12 September 2002 (2002-09-12) abstract; figures 1-4 -----	1,16,17

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Information on patent family members

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